Dallas Amateur Radio Club
STATION W5FC

IN THE DARC

Come join us! 1st Tuesday every month 7:00 p.m.
Brookhaven College Building X, Room X1091.

REMEMBER THOSE WHO SERVED

ALL GAVE SOME, SOME GAVE ALL

http://www.w5fc.org Don Murray, W9VE, Editor May 2014

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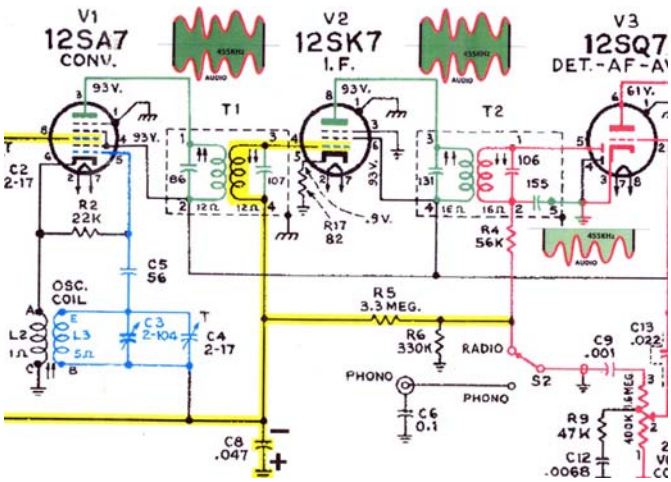
May Meeting Presentation

The next meeting of the DARC will be at Brookhaven College, 3939 Valley View Lane, Building X-1091. The topic of the meeting will be explaining the stages and functions of a superheterodyne radio receiver.

The ever-popular Bob DeVance use an electronic schematic diagram like the one below to introduce the functional operation of "The all-American five," receiver that was the basic circuit for almost every table model AM receiver manufactured from the early 1930's well into the 1960's. This was the age of "fire bottles," also known as vacuum tubes, but the basic principles apply to the most modern solid-state receivers.

But, history aside, Bob will discuss concepts of frequency conversion, amplification, detection, and power supply functions as well as give insights into vacuum tube principles.



Our Newest Members

The DARC announces three new members. Be sure to make them welcome.

Joseph Esensten	**KF6FNO**	(March)
Gregg Daum	**K1GLD**	(April)
Erick Guzowsky	**KG5AEM**	(April)

DARC Nets Schedule

All DARC nets on 146.88 MHz – Tone is 110.9.

ARRL NTS DFW Early Traffic Net **Daily**
National Traffic System Local Net **6:30 p.m.**
All radio amateurs are invited to participate in this net to learn how to handle formal message traffic. This is a critical skill in emergency nets. It can make the difference between being helpful and just being in the way.

DARC Vet Net **Wednesdays**
New net for veterans, reservists, active- **7:00 p.m.**
duty military personnel and all hams who appreciate the vets in our ranks and their service to our country. Everyone is welcome and encouraged to check in.

DARC Tech Net **Saturdays**
Rookie Q&A, Techtalk, DFW ham news, **7:00 p.m.**
ask the elmers, swapshop. Newly licensed hams are especially welcome. Every ham is gladly welcomed!

DARC SkyNet – **Saturdays**
Astronomy Forum with Program **9:00 p.m.**
The sky tonight, space news, space history (and trivia), telescopes, cosmology, Big Bang(s), star mythology. All radio amateurs are invited to participate in this net. If you check in, you will learn something.

DARC Meeting on the Air **1st and 3rd Sunday**
What the Club members are doing. **7:00 p.m.**
All radio amateurs are welcome - that means YOU!

DARC Hamfixin's Net **1st and 3rd Monday**
New net for people who like to cook 'n eat! **7:00 p.m.**
Bring your recipe cards and kitchen lore and join in the food talk. See what the other hams are cooking up!

DARC ECOMM Net **2nd Monday**
Emergency Preparedness Discussion. **7:00 p.m.**

DARC Geek Net **4th Monday**
Come to discuss all things Geeky, scientific, digital, current, brainy, recherché **7:00 p.m.**

DARC Surprise Net **5th Monday**
Don't know what to do on those rare 5th Mondays? Check into the surprise net. Last net concerned Neanderthal contributions to the amateur radio gene pool.**7:00 p.m.**

Dallas RACES Training Net **1st and 3rd Sunday**
Formal emergency training net **8:00 p.m.**
Interesting and informative net to monitor, but Part 97 of FCC rules does not allow non-RACES appointed stations to transmit unless they have emergency traffic.

President's Corner

By Tom General, KE5ICX

"Great Inventor," or "Great Team?"

I'm a big fan of history. Any story which hearkens back to an invention, idea, or movement which changes the world is fascinating to me and I always seek out some relevant lesson I can apply to my own life. And, who knows, the next great idea! Well, okay, that's a stretch.

When Alexander Graham Bell invented the telephone his original efforts came from his experimental work in improve telegraph line efficiency by increasing capacity using his invention of the "harmonic telegraph" - multiple transmissions sent at different frequencies. The same technology seemed a perfect candidate for speech. In the summer of 1874 he and his assistant Thomas Watson, with the encouragement of others, were able to create and then one year later, implement the audio telegraph. Bell also managed financial backing (support from a wealthy attorney and his future father-in-law who also detested Western Union and their monopoly on telegraph technology).

Sometimes the appropriate inspiration and ongoing connection with other talented inventors, technicians, and a few dollars by well-heeled family members can yield tangible results.

I think that, like Bell and Watson, we only need the appropriate associations (both technical and moral support) to help realize a new technical capability or discovery. While maybe we, as a club, aren't "great inventors" we are pretty good at finding clever ways to make things work in our favor. Using the resources we have, for a common goal, and doing it in a way that is beneficial for each other is a main theme for any club, and the DARC in particular.

I know of so many organizations (technical and non-technical) who are populated with incredibly talented people, yet, seem bogged down with politics or in-fighting. Sometimes that pent-up energy which could be used to solve some problem the club or community faces are instead used for personal gain or to play politics.

One of the reasons the DARC stays so busy, is to fulfill our own charter and give everyone a chance to participate in our club activities. It's best to have too much to do than not enough.

Who We Are

To challenge our members we need to understand just who are members are (or who they potentially will be). I think we can boil this down to three basic points:

1. Amateur radio is a technical hobby and it attracts people in communications, Internet technologies, engineering, and other technically challenging disciplines. We sometimes forgot, but people naturally flock to our hobby as a means to meet others of similar interests and challenges.

2. People in this category are pretty smart. They seek out other smart people.

3. And as with most clubs they also possess an interest in interacting with the public.

In the end, the whole point of a club or organization is to provide a forum and a place for its members to combine resources, commune, and co-operate in some related field, similar to Bell and Company.

I think one thing which really makes our club unique is we offer up challenges all the time. Currently, the latest challenges include: Building up a second voter site on the UTD campus. Several of our members who are also students at UTD wish to set up the second voter site so they can use their handi-talkies on campus. We gave them the old repeater antenna and some support items left over from the first voter setup. Of course we have members of the club getting involved to help them get that voter system operational. This is a challenge, pure and simple. What they learn will stick with them both in the hobby and in their professional careers. The fact they showed an interest and set about fulfilling a technical need is what clubs do best. They can provide the support necessary to achieve a particular goal.

There's plenty of other challenges which crop up, both as technical and operational. Our continued organization of the trailer for our community service events as well as labeling and securing items in an orderly fashion is also an important development in the club's ongoing commitment to the community via the trailer's use. The combined efforts of those who volunteer at the trailer has created some unexpected but welcome changes which make set-up for events easy and effective.

We also have future challenges for D-Star which we want to address and employ for future public service events such as Skywarn. There's a background effort to connect all D-Star repeaters in the area for use during Skywarn events. This would provide the combined resources from various clubs as a digital-capable backchannel supporting the individual Skywarn nets conducted on various repeaters in the Dallas Metro area. Future use of D-Star might be involved as well as full use of the entire D-Star radio stack for digital data and voice nets.

The capabilities of such nets and innovative ideas born out of technical projects help make us a vibrant and effective club.

100th Anniversary

We'll need your support over the coming months. DARC will continue celebrating along with the ARRL our collective 100th anniversary. All of us DARC members have the same "birthday!"

So be ready, as I mentioned last month, we will need your support for upcoming DARC events. Beginning with Ham-Com. Expect the unexpected and be ready to make some local ham radio history.

Our participation in Ham-Com will include our “W100AW” on air participation, where we will need a number of people to take up operating on HF throughout the weekend. Also, on Saturday evening we'll need volunteers to assist with Wouff Hong. More on this in the coming weeks.

Repeater

Well, the third time is the charm. The “88” repeater is all new! The heliax is new, the repeater is new, and the antenna is new. We also returned to our well worn, but highly selective duplexer back to active service. Hurray! The clear signal is back! We needed this.

The old Motorola system was removed and the old duplexer was installed in its place. But, never fear, our backup system is the new old repeater system. The one we purchased about 4 years ago. We have a great system which should last us another 20 or 30 years. As I mentioned during one of the meetings and pointed to three of our youngest members in the front row, "This becomes YOUR problem when they put me in the old folks home. Get busy learning this system!"

As a token of appreciation for their hard work, that group received the old repeater system. This should aid in their appreciation of old and new technology. Hopefully they won't be electrocuted – we need their ability to lift heavy things.

The Tech Net Story

The DARC has created, over the past several years, a number of nets meant to serve as resources for its members and as an opportunity to engage other people involved in amateur radio. Our nets are designed to be friendly, informative, and fun. Tech Net aptly accomplishes all three criteria and is also very popular.

Tech Net has been around the longest of the "new" nets beyond "Meeting on the Air". One thing which DARC noticed about its membership was just how many people had checked in on the ARRL early traffic net were just how many of those folks would eventually become members of the club. And a fair number of those people would go on to be net controls on the NTS as well. This couldn't be coincidence and a group decided it was time to figure out why that outcome was pretty much the same week after week, month after month.

Several things come out of this exercise:

1. "New hams check into 88" Most new hams local to Dallas could easily "hit" the DARC 88 repeater without too much trouble. The NTS net provided a training opportunity and invited and encouraged new people to check into the net.

2. NTS provided a meeting place – every night of the week on the 88 repeater – for all hams. Along with routine message traffic we also had a place to share information on ham related events and activities. In short, a forum.

3. NTS was consistent – 7 days a week at 6:30pm people would migrate to "88" for ½ hour each and every night.

Further discussion provided some other points to consider:

1. Repeated questions of a technical nature and repeated call for a net or avenue where hams could share questions, answers and ideas about our hobby and share that in a meaningful way.

2. We had many people who were members of DARC who also acted in the NTS Net Control capacity, and/or could provide resources for a sustained "first new net" for DARC.

3. If designated on a particular night immediately after the NTS, we could capture that audience for the new net.

That put the basic stepping stones in place to make Tech Net a possibility.

Katherine KE5ZCM created the basic structure of the net and arranged the first "crop" of net controls and set about getting Tech Net on the air.

Following in the mode of MOTA, Tech Net was created as the first Saturday night" net. Sometime in January 2011 (I think that's when we started the nets), "Tech Talk" (soon to be renamed "Tech Net") began. Our first night had some 30 check-ins and, for the most part, the net still generates between 20 and 30 check-ins.

Today Tech Net has some 8 net controls sharing NCS responsibilities, alternating each week. Topics include news about upcoming events in the Dallas area, amateur radio news, technical question and answer, and swap shop. The concept remains pretty simple, and exploits our greatest club asset, the 88 repeater. Saturdays, however, were changed forever.

On average, there are probably three people (hams and non-hams) just listening to Tech Net for every on who checks in. That means 60 to 80 people tune into "Tech Net" each week. Not a bad average. Also, we also get a number of folks on Echolink, who do not check-in but still appear week after week on the Echolink node.

The success of Tech Net gives us a fine template for the next net DARC would create. More on that next month.

DARC Specialty Net Email Address

If you have a suggestion or comment on any of the DARC nets on the 146.88 repeater, or if you would like to learn to nets@w5fc.org. Net coordinators for all the nets will check that mailbox.

Recurring DFW-Area Ham Events

Activities of DFW-area amateur radio clubs. To add an event, send an email to w9ve@arrl.net.

- **Monthly - 1st Tuesday – DARC Club Meeting Brookhaven College Building X, 1st floor, Room X1004. Please see the map on page 14 for directions. Board Meets 6:00 p.m. General Meeting 7:00 p.m.**
- **Weekly - Wednesday – DARC VetNet 7:00 p.m.**
- **Weekly – Saturday – DARC TechNet 7:00 p.m.**
- **Weekly – Saturday – DARC SkyNet 9:00 p.m.**
- **1st & 3rd Monday -DARC HamFixin's Net 7:00 p.m**.
- **2nd Monday – DARC ECOM Net – 7:00 p.m.**
- **4th Monday - DARC Geek Net – 7:00 p.m**.
- **5th Monday - DARC Surprise Net – 7:00 p.m**.
- **Mondays (Except 4th Monday) –Denton County Amateur Radio Club (DCARA Information and Training Net – Freq. 146.920 PL 110.9 — 8:00 p.m.**
- **Wednesdays - Irving Amateur Radio Club (IARC) The Breakfast Club** – McDonald's, 2410 N Story Rd, Irving (Between 183 & Rochelle) **- 8:30 a.m**.
- **Thursdays –Garland ARC – Crony Lunch** Furr's Cafeteria – 350 S Plano Rd. – Richardson **11:00 a.m**.
- **Saturdays – Hams & Eggs Metrocrest ARS (MARS) – What-A Burger – NE Corner Old Denton & Bush 7:00 - 10:00 a.m.**

Masthead

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PO Box 744266 Dallas, TX 75374

2014 DARC Officers and Directors:

President	Tom General – KE5ICX
Vice-President	Tony Mendina – KE5TGM
Secretary	Landon Elfenbein – N5AET
Treasurer	Brenda Magee – WB5OXL
Director (12/2014)	Bob DeVance – K5CRX
Director (12/2014)	Bill Krueger – AE5BK
Director (12/2015)	Jonathan Kelley - KF5KEJ
Director (12/2015)	John West – K5JDW
Director (12/2016)	Randy Patterson - KE5JIT
Director (12/2016)	Dwin Towell WD5WIN

The Dallas Amateur Radio Club, Inc., founded in 1914, is an ARRL-affiliated Special Service Club, and is a non-profit, tax-exempt 501(c)3 organization. Your donations to the DARC qualify for tax exemption.

Club meetings are always open to anyone interested in amateur radio. To contact us email: info@w5fc.org.

Our repeater Trustee is Tom General, KE5ICX. Our repeaters are located in the city of Dallas and are available for the use of all licensed amateur radio operators, subject to the repeater guidelines set forth in the official DARC website, w5fc.org.

DARC Repeaters:

2m	146.880 out	146.280 in	110.9/110.9
2m **D★**	144.530 out	145.130 in	none
1.25m	224.880 out	223.280 in	110.9/110.9
70cm	442.425 out	447.425 in	110.9/110.9
70cm **D★**	440.575 out	445.575 in	none
23cm **D★**	1295.00 out	1275.00 in	none

D★ = D-STAR

Echolink W5FC-R Node - 523731

***In the DARC* Advertisement Policy**

In the DARC Newsletter will accept paid advertisements subject to the following guidelines approved by the Board July 2012:

a. All requests received by the editor on or before the DARC meeting night will be printed in the following month's edition.
b. All ads are subject to approval by the DARC Board of Directors.
c. Ads and checks payable to the Dallas Amateur Radio Club, Inc. should be sent to P.O. Box 744266 Dallas, TX 75374.
d. All ads must be camera ready.
e. Any questions concerning advertisements should be directed to the Editor.
f. Per-month rates approved by the Board in July 2012 depend on size of the ad:

Full Page	8¨ × 10¨	$100.00
Half Page	8¨ × 5¨	$50.00
Quarter Page	4¨ × 5¨	$25.00
Business Card	2¨ × 3.5¨	$10.00

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Minutes of DARC Board Meeting

The April DARC Board meeting was called to order on Tuesday April 1st at 6:08 p.m. by President Tom General, KE5ICX.

Present were:	
President	KE5ICX - Tom General
Vice-President	KE5TGM - Tony Mendina
Secretary	N5AET - Landon Elfenbein
Treasurer	WB5OZL - Brenda Magee
Director 2014	K5CRX - Bob DeVance
Director 2014	AE5BK - Bill Krueger
Director 2015	KE5KEJ - Jonathan Kelley
Director 2016	KE5JIT - Randy Patterson
Director 2016	WD5WIN - Dwin Towell
Absent were:	
Director 2015	K5JDW - John West

1. Brenda Magee, WB5OZL, presented the March treasurer's report and was approved by the board.
2. Randy Patterson, KE5JIT, spoke about the 146.88 antenna and coax replacement.
3. Tom General, KE5ICX, spoke on the 100th anniversary event at flagpole hill and asked the board for the lessons learned.
4. Randy Patterson, KE5JIT, informed the board that the Icom 7200 has been repaired.
5. Tom General, KE5ICX, asked the board and officers to be conscious of the meeting start time.
6. Details about Ham-Com were discussed.
7. Tom General, KE5ICX, informed the board of a partnership between the ARRL and Southwest airlines to have a contest where two hams would have the opportunity to go to ARRL headquarters and operate W1AW for a weekend. Board approved unanimously.
8. Bernie Parker, K5BP, briefed the board on the Antenna replacement and the upcoming heliax replacement. Randy proposed donating the old 146.88 repeater antenna to the K5UTD radio club.
9. Andrew Koenig, KE5GDB, discussed the possibility of adding a voter for the 146.88 repeater on the University of Texas at Dallas campus.
10. Bernie Parker, K5BP, added his opinion and expertise on the matter.
11. Randy Patterson, KE5JIT, motioned to allow the K5UTD club to install a voter on the UTD campus and work with Bernie on this project at no cost to W5FC. Passed by board unanimously.
12. Bill Krueger, AE5BK, donated a UV-E5 handy-talkie for the night's prize drawing
13. Katherine Hall, KE5ZCM, asked if the Morse code class could be discussed at the May meeting.
14. Meeting adjourned at 6:55 p.m.

Neighbor Program Helps DARC

Get a Tom Thumb Reward card and designate 4056 (DARC) as the code for the organization you want Tom Thumb to donate to.

The DARC will receive 1% of your purchase price as a donation from Safeway/Tom Thumb. The club receives a check quarterly from Safeway for this. Please take the time to sign up

Minutes of DARC General Meeting

The April DARC General meeting was called to order on Tuesday April 1st at 7:07 p.m. by Bob DeVance, K5CRX

Present were:	
President	KE5ICX - Tom General
Vice-President	KE5TGM - Tony Mendina
Secretary	N5AET - Landon Elfenbein
Treasurer	WB5OZL - Brenda Magee
Director 2014	K5CRX - Bob DeVance
Director 2014	AE5BK - Bill Krueger
Director 2015	KE5KEJ - Jonathan Kelley
Director 2016	KE5JIT - Randy Patterson
Director 2016	WD5WIN - Dwin Towell
Absent were:	
Director 2015	K5JDW - John West

1. The Pledge of Allegiance was recited.
2. Introductions.
3. Bob DeVance, K5CRX, introduced the nights program ‘Old Timers Round Table’.
4. Andrew Koenig, KE5GDB, discussed his

upcoming trip to Arecibo Puerto Rico.

5. March meeting minutes were approved.
6. Brenda Magee, WB5OZL, presented the March treasures report which was approved by the club.
7. Bernie Parker, K5BP, discussed the repeater antenna and upcoming work day to replace the heliax.
8. Tom General, KE5ICX, discussed the trailer and how it performed during the 100th anniversary celebration and frontiers of flight.
9. Bob DeVance, K5CRX, discussed how the 100th anniversary event went at Flagpole hill on March 5th.
10. Tom General, KE5ICX, discussed how Frontiers of Flight went on March 22-23rd.
11. Hamcom was discussed.
12. New members were voted and approved:
    a. Gregg Daum, K1GLD
    b. Erick Guzowsky, KG5AEM
13. Announcement for memorial service for Skip Bynum WD5AAZ SK
14. Door prizes were awarded.
15. 50/50 was drawn.
16. Meeting adjourned at 8:42 p.m.

Treasurer's Report

Dallas Amateur Radio Club, Inc., Treasurer's Report for March 2014

(3/1/2014 through 3/31/2014)

Date Presented: 04/01/2014

Accounts:

Vanguard (Ann and Whit Griffith Fund)	$11,061.80
PayPal	$48.30
Checking Acct Balance on March 1st	$9715.13
Income During March 2014:	
Membership Dues	$321.60
50/50 Lottery	$79.00
Donations	$80.38
Other Income	$0.00
Total Income	$480.98
Expenses During March 2014:	
Repeater Expenses (Recurring)	$37.43
Repeater Expenses (Other)	$789.71
Door Prizes	$24.63
Trailer	$182.40
100th Anniversary	$617.26
Insurance	$200.00
Total Expenses During March 2013:	$1851.43

The Griffith Fund is an endowment whose investment income is reserved solely for the cost associated with the Griffith Community Service Award.

Membership Expenses includes postage, stationery, etc., for recruiting and retaining members.

Operational Expense**s** includes bonds, general liability insurance, PO box rental, supplies, etc.

Repeater Expense includes equipment, site rental, telephone, internet, etc.

Public Service Expenses includes DARC emergency communications, trailer operations/maintenance and other public service expenses

Program Expenses includes Field Day, etc.

WB5OZL - Brenda Magee 2014 Treasurer DARC

DARC Hamfixins' Net Recipe Corner

Chocolate Fudge Updside Down Cake

Presented By Brenda WB5OZL

The Ingredients

THE BATTER

- ¾ cup sugar
- 1 TB butter
- ½ cup milk
- 1 cup flour
- ¼ t salt
- 1 t baking powder
- 1 ½ TB cocoa
- ¾ t vanilla
- 1/4 cup of your favorite nuts, chopped

THE TOPPING

- ½ cup sugar
- ½ cup brown sugar
- ¼ cup cocoa

The Directions

Cream the sugar, butter, and milk.
Sift together the flour, salt, baking powder, cocoa, and vanilla.
Blend well with the creamed ingredients.
Pour into 9" square pan, buttered.
Cover with chopped nuts.
Mix the topping ingredients and sprinkle over batter.
Pour 1 ¼ cup boiling water over all.
Bake at 350 °F for 30 minutes.

Easy Shepherd's Pie

Presented By Ron N5SQA

The Ingredients

- 1 tablespoon Butter
- 2 tablespoons Olive Oil
- 2 Lb Ground Beef
- Salt
- 1 Yellow Onion (minced)
- 2 cloves Garlic (minced)
- 2 Carrots (diced)
- 1 tablespoon Flour
- 3 sprigs Thyme (leaves only)
- 1 cup Beef Stock
- 2 cups Peas
- 4 cups Mashed Potatoes
- 4 tablespoons Butter
- Parsley, rough chopped, to finish

The Directions

1. Preheat oven to 350 °F
2. Heat the butter and olive oil in a large cast iron skillet over medium-high heat. Add the onion, carrots, and garlic, and cook until softened, about 5 minutes. Add the ground beef and season with salt, breaking up, until browned, about 10 minutes. Mix in the flour, stock, thyme and peas into the mixture. Mash butter and potatoes together. Pipe mashed potatoes over the top of the pie.
3. Bake until mashed potatoes are golden brown in parts, about 30 minutes. Let cool slightly before serving. Finish with parsley.

Potato Salad

Presented by Bill KF5ZBL

The Ingredients

- 4 lbs Red Bliss Potatoes
- 4 Large Eggs
- ½ Cup finely chopped green onion tops
- 1 ¼ Cup Mayonnaise
- 1 ¾ teaspoons Celery seeds
- 1 ¾ teaspoons Salt

Optional:
Pepper
½ cup Thinly sliced bacon cooked and crushed

The Directions

Steam potatoes skin-on for approximately 45 minutes (you can boil them, but they tend to be slightly mushy). Set aside until cool enough to handle.
Boil your eggs, then do the same
When cool enough, peel the Eggs ONLY. (Do no peel the potatoes. The skin gives it the texture and taste).
In a large bowl, mix the remaining ingredients together until thoroughly mixed. Chop the potatoes and eggs into bite-sized pieces and add to bowl. Mix GENTLY- you want salad not mush – until blended.
Serve at room temperature. You can refrigerate the leftovers. It tastes best at room temperature.

Empanadas

Presented By Carolyn KC5OZT

The Ingredients

- 1 can large biscuits (8 or 10 ct.) 1 c. either cheddar or mozzarella grated cheese
- 1/2 lb. ground meat 1/2 c. tomato sauce
- 1/2 c. chopped onions 1/2 c. whole kernel corn, drained
- 2 t. minced garlic 1 T. sugar
- salt & pepper to taste

The Directions

Prepare biscuits first by rolling out until thin, using very little flour if needed. Putting them between 2 sheets of waxed paper works very well. Then, cook hamburger, onions, garlic, salt and pepper until browned. Important: drain fat thoroughly when cooked! In bowl, mix tomato sauce, corn, cheese, and sugar. Add cooked hamburger and mix. Place large spoonful of mixture in center of each biscuit. Fold biscuit over, like fried pies, and seal edges by

pressing with fork. Put on greased cookie sheet and bake at 375 °F for 15 minutes.

Note: Flour tortillas might be used, if the edges can be sealed after folding over. Other fillings can be tried, too. We've used hamburger/refried beans plus taco seasoning; ground turkey instead of hamburger; and hamburger with "sloppy joe" seasoning. You don't want too much liquid, in case one "leaks". That's the reason for draining every bit of fat that you can. We haven't tried it with sausage, but it might work.

Easy Enchiladas

Presented By Billye KF5PDS

The Ingredients

- 1-2lbs ground beef 80/15
- 2-3 Serrano peppers (optional)
- 2 cans Old El Paso enchilada sauce (mild if using the peppers)
- 1 pkg Kraft Mexican Four Cheese shredded cheese
- Yellow corn tortillas

The Directions

1. Brown ground beef in a skillet and drain well. Add finely chopped peppers and distribute well throughout the meat. Set meat mixture aside.
2. Spread out 5-6 tortillas on a microwave-safe plate, sprinkle with a small amount of water and heat in microwave for 5-10 seconds (time will vary). Take out when tortillas begin to curl up; they will be soft and pliable.
3. Spoon preferred amount of meat mixture into a tortilla (not too full because you have to be able to roll it up!). Roll the tortilla and place it in a 9 x 13 baking dish, being careful to place it in the dish so that it doesn't come unrolled (this may take a few tries!).

Repeat with remaining tortillas until the dish is filled. The tortillas should be comfortably snug in the dish; the compression will hold them together during baking.

4. Cover enchiladas liberally with enchilada sauce, then top them with the shredded cheese.
5. Bake uncovered in a preheated 350 °F oven for 15 minutes, or until cheese is melted and golden brown.

Guacamole

Presented By Bill KF5ZBL

The Ingredients

- 4 - Ripe avocados
- 2 - Roma tomatoes
- 1/4-1/2 - Yellow onion
- 1-2 - Jalapeno's
- About 2 tablespoons fresh chopped Cilantro
- Dash or two of salt

The Directions

1. Halve the avocado's, de-seed and scoop out into a bowl. (Keep one seed)

2. De-seed the tomatoes and dice to around 1/4"

3. Dice the Onion also to 1/4"

4. De-seed the Jalapeno's and dice to 1/8" or smaller

5. Work the avocado until smooth with the back of a spoon

6. Add tomatoes (This is suggestive. You may want to add all or a little less depending on your taste)

7. Add Onions (This is suggestive. You may want to add all or a little less depending on your taste)

8. Add Cilantro

9. Add Jalapeno's (This is suggestive. This is the heat. If you like heat add all. If you want mild, you may leave this out.)

10. Finally add salt to taste. This will bring out the flavor of the avocados.

After you have finished adding all ingredients add the Avocado seed you saved from above. As for storing, there are two things you can do:

1. Add Lemon or Lime juice.

2. Place cling wrap right on the top of the mix and push out the air. (air is what darkens the avocado)

Swap Shop

Ham Radio Ads are Free to all DARC Members

Marshall MXL-V57M Condensor Mic/Mount $104

Studio-quality mic includes Marshall MXL-57 Shock Mount. Both are unused in original packaging. I decided to go with another mic after purchase so these have been sitting on the shelf. Shipping is extra.

Atlee NT5W in Grapevine, TX weekdays 9-4 at 817-756-6986 or email wic@doubtless.com

Yaesu FT-1000 200 Watt HF Transceiver $899

The DX and pileup-busting performance of this legendary flagship Yaesu radio is in the same class as the 200 Watt super rigs coming out of the factory today. Its 2.4kHz and 500 Hz IF filters for SSB and CW. Includes original gold-letter operating manual and Yaesu factory service manual in three-ring binder. Includes Yaesu MD-1 mic/stand and a straight key for CW. Used, checked. Appears to be working both RX and TX. Local pickup only (Lake Highlands). Contact either Don w9ve@netzero.com or Tim k5ra@verizon.net

Cushcraft R-7000 Vertical HF Antenna $149

Covers 10/12/15/17/20/30/40 meters. No guys, no radials. Concrete-in-tire base to allow daytime tilt-over for stealth operation at night in restricted communities. SWR looks good on 10/15/20, but SWR 3-4 on 40m. 30m trap may need to be rebuilt (see comments on e-ham.com) Local pickup only. w9ve@netzero.com or Tim k5ra@verizon.net

DARC New Mirage D1010 100 Watt 70 cm Amp $250

10 Watts in - 100 Watts Out
430-450 MHz All-Modes FM/SSB/CW/ATV*
*For ATV remove 1 resistor and 1 cap (see manual)
Input power: 300 mW to 15 Watts (**MAX**!!!!)
10 Watts in 100 Watts Out
20 Amps
12" x 3" x 5.5"
6 lbs.
Adjustable delay for SSB and remote control outlet.
Heavy duty heatsink spans entire length of cabinet, 50 Ohm input and output, 13.8 VDC voltage.
If interested, send an email to w5fc.dallas@gmail.com. It can be brought to the meeting for pick up.

Poetry Corner

This month we celebrate the most solemn secular holiday of the year, Memorial Day. My thought-picture of memorial day is a well-kept cemetery with American flags and flowers decorating the tombs of the fallen in the dappled sunlight among the trees. In the comfort and relative safety of the our daily lives we do not think about the human reality that each flag represents. I do not believe that those of us who have never seen combat or hazardous duty can grasp what it is like to willingly face an enemy who would like very much to kill us. The Poetry Corner selection for this month tells the story behind two of those small American Flags, one from WWI, one from WWII.

The Rouge Bouquet

By Joyce Kilmer, 7 March 1918

In a wood they call the Rouge Bouquet
There is a new-made grave to-day,
Built by never a spade nor pick
Yet covered with earth ten meters thick.

There lie many fighting men,
Dead in their youthful prime,
Never to laugh nor love again
Nor taste the Summertime.

For Death came flying through the air
And stopped his flight at the dugout stair,
Touched his prey and left them there,
Clay to clay.

Notes: Joyce Kilmer was a sergeant in the New York National Guard's The Fighting 69th Regiment, Part of the 165th Infantry Regiment, involved in the intense German artillery bombardment of an American trench position near the French village of Baccarat. Kilmer wrote the poem immediately after the battle. It was first published in the *Stars and Stripes* two weeks after Kilmer was killed in battle on 30 July 1918 at the Second Battle of the Marne, and was read over Kilmer's own grave.

The Death of the Ball Turret Gunner

by Randall Jarrell

From my mother's sleep I fell into the State,
And I hunched in its belly till my wet fur froze.
Six miles from earth, loosed from the dream of life,
I woke to black flak and the nightmare fighters.
When I died they washed me out of the turret with a hose.

The Poet's Notes: A ball turret was a plexiglass sphere set into the belly of a B-17 or B-24 bomber and inhabited by two .50 caliber machine-guns and one man, a short, small man. When this gunner tracked with his machine-guns a fighter attacking his bomber from below, he revolved the turret; hunched upside-down in his little sphere, he looked like the fetus in the womb. The fighters which attacked him were armed with cannon firing explosive shells. The hose was a steam hose.

Map to DARC Meetings and Lab Days

NOTE

We meet in room X1091. Follow the DARC signs and your fellow hams to the fun. Lab Days will generally be held in Building K, check the W5FC Website for details. Speed Limit is 20 on Windmill Circle, 10 mph near buildings. Farmer's Branch Police will ticket speeders

Brookhaven College
DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

3939 Valley View Lane
Farmers Branch | Dallas, TX 75244-4997
e-mail: bhcInfo@dcccd.edu | main number: 972-860-4700
www.BrookhavenCollege.edu

An Equal Opportunity Institution

DARC Application for Membership, pg 1

Complete this DARC Membership Application and mail it with your check to the address at the bottom of the form. Or better yet, bring it to the next DARC Business Meeting with your check for dues (check the www.W5FC.org web site for the next date and time). You can become a member the same night! During the break between the Business Meeting and the program, all applications are reviewed by the membership committee and brought before the attending membership quorum for the required membership acceptance vote.

Check License Class:

- ☐ Extra
- ☐ Advanced
- ☐ General
- ☐ Technician Plus
- ☐ Technician
- ☐ Novice
- ☐ Not a licensed amateur (yet!)

Your Member Data:

First Name:

Call Sign:

Last Name:

Street Address:

City and Zip Code:

Home Phone (optional but helpful):

Work Phone (optional):

E-mail (If you want to receive monthly newsletter):

Check DARC Membership Type for which you are applying:

___ Full Voting Membership – You now hold a valid FCC issued Amateur Radio License

___ Family Membership – At least one Amateur Radio License required in family.

___ Associate Non-Voting Membership – Open to anyone interested in Amateur Radio.

DARC Application for Membership, pg 2

Are you a member of the American Radio Relay League (ARRL)?

___ Yes, I am an ARRL Member
___ Yes, I am an ARRL Life Member
___ No, I am not an ARRL Member but request an application
___ No, I do not want to join the ARRL at this time

Have you held other Amateur Radio Call Signs? If so, please list:

In what year did you receive your first Amateur Radio License?

Is your membership being sponsored by a current DARC member? If so, please enter member name:

What is your occupation?

Other Hobbies or Interests:

Comments: What are your preferred Ham activities? What types of programs would you like to see at Club Meetings?

Dues Schedule

	DARC Dues for Month Membership Application Submitted		
Membership Type	**January – June**	**July – November**	**December ***
Full Membership	$25.00	$12.50	$25.00
Family Membership	$30.00	$15.00	$30.00
Associate Membership	$25.00	$12.50	$25.00
	Amounts shown reflect dues payment for a full consecutive year. For example, if your application is submitted at the December 2013 DARC meeting your application should be submitted with a check (or cash) in the amount of $25.00 (for Full or Associate Membership). That dues payment covers calendar year of January through December 2013. Your next dues payment would not be due until the following DARC Annual Dues Renewal of January 1, 2015. Please submit your initial Dues payment with your application. Only applications submitted with an appropriate DARC Dues Payment can be presented to the membership for acceptance.		

Please send your application and check for your Membership Dues to:

Dallas Amateur Radio Club
Attn: Membership Committee
P.O. Box 744266 Dallas, Texas 75374-4266